

What is claimed is:

1. A support structure of a control board comprising:  
a control board including a plurality of attaching holes  
5 disposed at respective corners of an imaginary polygon;  
a support member made of a synthetic resin for supporting  
the control board; and  
a plurality of support bosses disposed on the support  
member in correspondence with the respective attaching holes,  
10 a plurality of support bosses each having a support portion  
in contact with one face of the control board, and an engaging  
portion inserted into the attaching hole and engaged with other  
face of the control board,  
wherein each of the engaging portions is formed with a  
15 split groove in a shape of a straight line opened at a front  
end thereof and the respective support bosses are provided at  
the support member by avoiding the split grooves of the support  
bosses disposed at two ends of straight lines connecting the  
corners of the imaginary polygon from being disposed on the  
20 same straight lines.

2. The support structure of a control board as set forth  
in Claim 1, wherein the imaginary polygon is quadrangle, when  
notations P1, P2, P3 and P4 are attached at positions of the  
25 respective corners of the imaginary quadrangle on the control

board successively in a peripheral direction,

the support boss at the corner position P1 is provided on the support member in an attitude by which the split groove is made to be orthogonal to a diagonal line connecting the corner positions P1 and P3,

the support boss at the corner position P2 is provided on the support member in an attitude by which the split groove is made to be orthogonal to a diagonal line connecting the corner positions P2 and P4,

the support boss at the corner position P3 is provided on the support member in an attitude by which the split groove is made to be along a straight line connecting the corner positions P2 and P3 or a straight line connecting the corner positions P3 and P4, and

the support boss at the corner position P4 is provided on the support member in an attitude by which the split groove is made to be along a straight line connecting the corner positions P4 and P1 or a straight line connecting the corner positions P3 and P4.

3. The support structure of a control board as set forth in Claim 1, wherein the imaginary polygon is quadrangle, four of support bosses are provided on the support member in attitudes of avoiding the split grooves of pairs of the support bosses disposed at two ends of straight lines connecting the respective

corners of the imaginary quadrangle from being disposed on the same straight lines.

4. The support structure of a control board as set forth  
5 in Claim 1, wherein the imaginary polygon is triangle, three  
of the support bosses are provided on the support member in  
attitudes of avoiding the split grooves of pairs of the support  
bosses disposed at two ends of straight lines connecting the  
corners of the imaginary triangle from being disposed on the  
10 same straight lines.

5. The support structure of a control board as set forth  
in Claim 1, wherein the imaginary polygon is pentagon, five  
of the support bosses are provided on the support member in  
15 attitudes of avoiding the split grooves of pairs of the support  
bosses disposed at two ends of straight lines connecting  
respective corners of the imaginary pentagon from being disposed  
on the same straight lines.